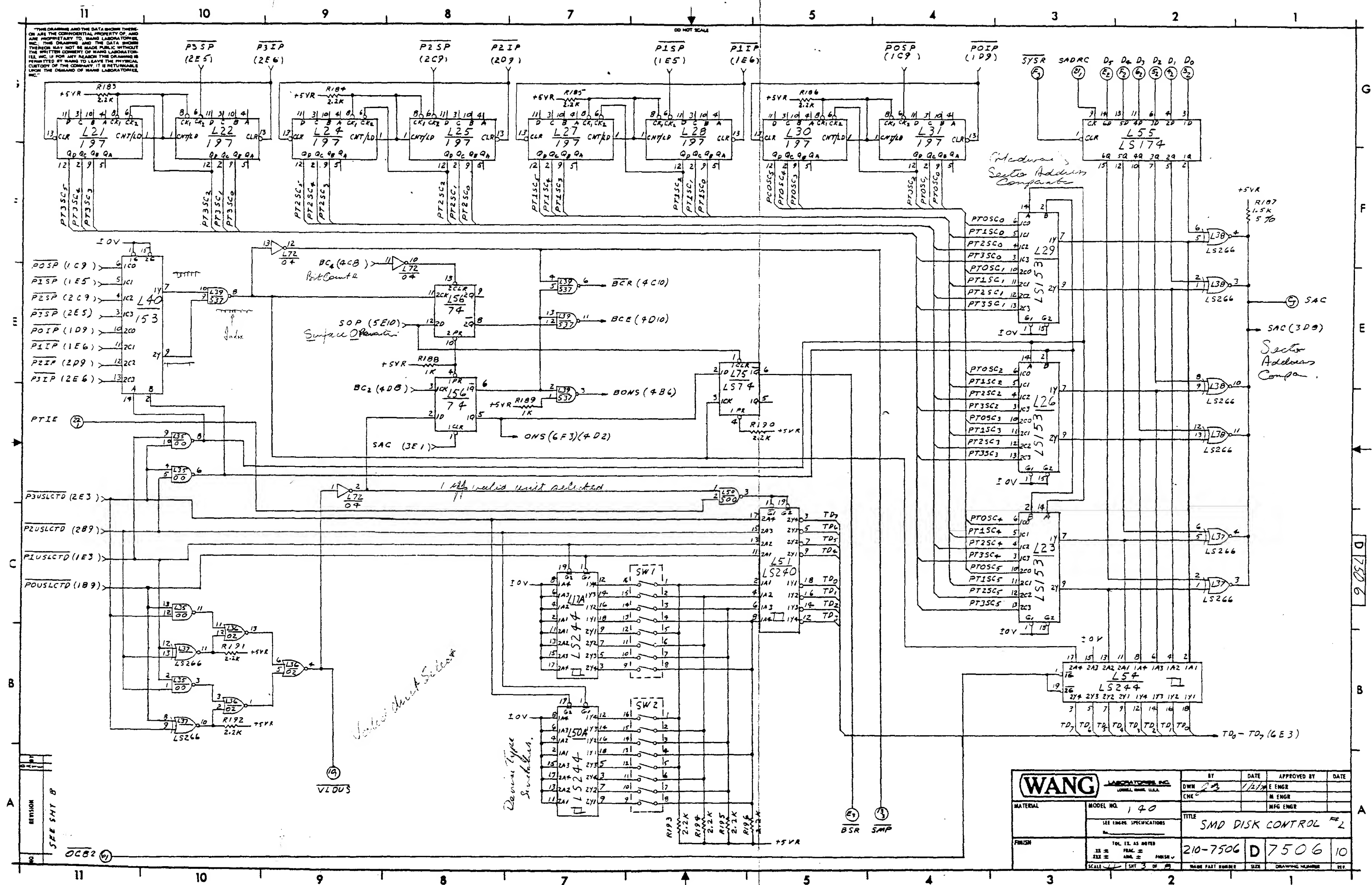
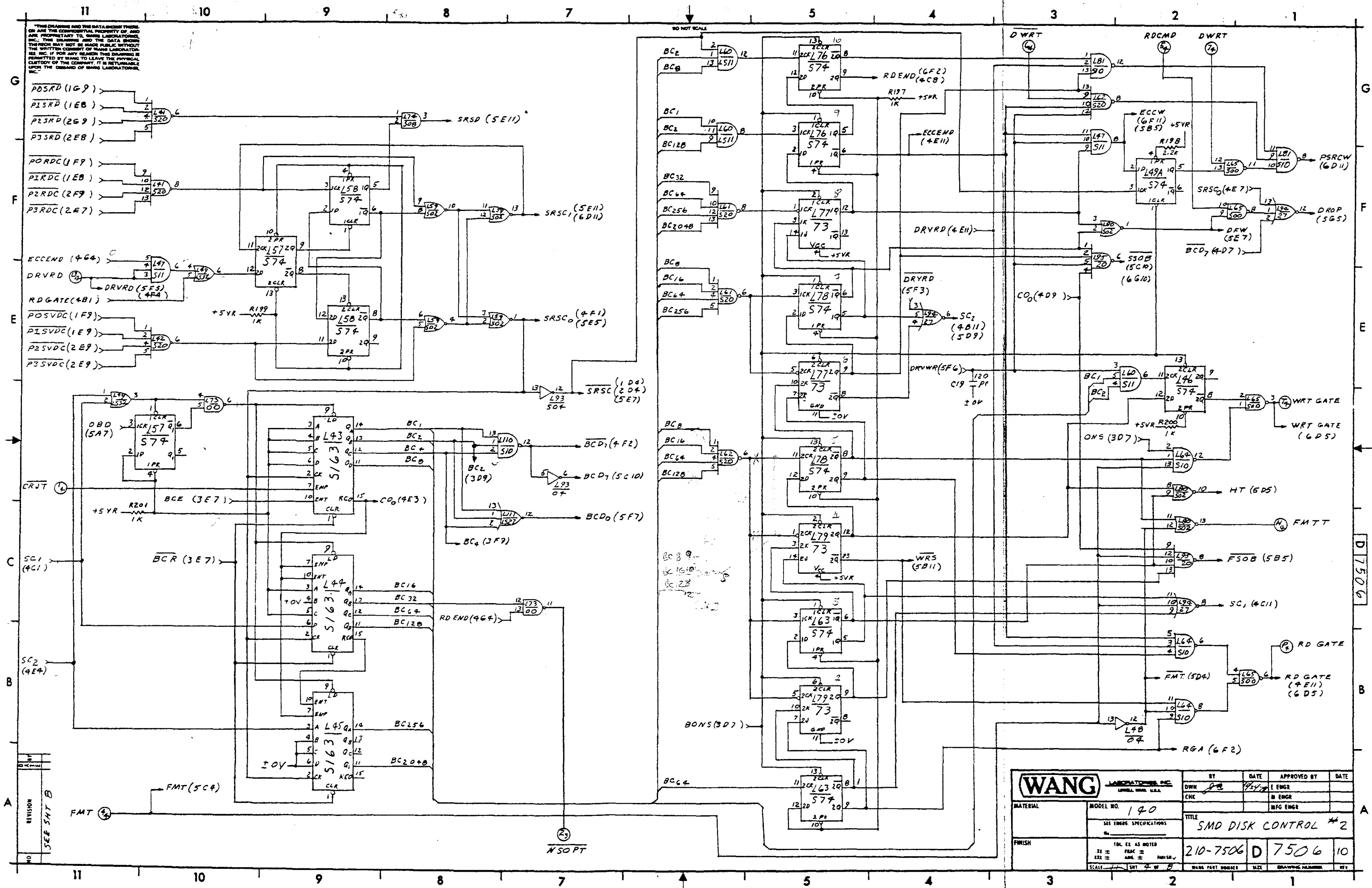
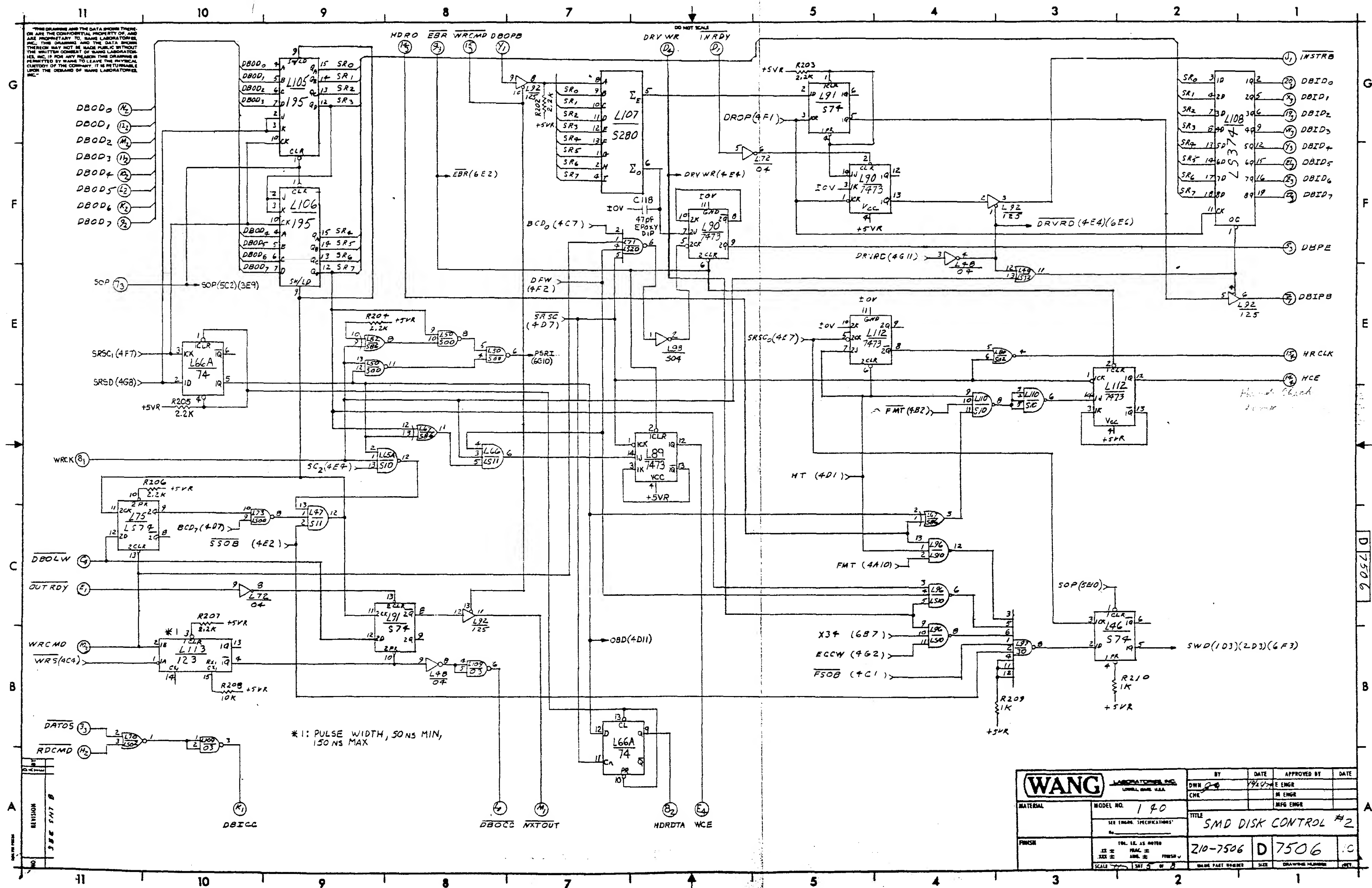


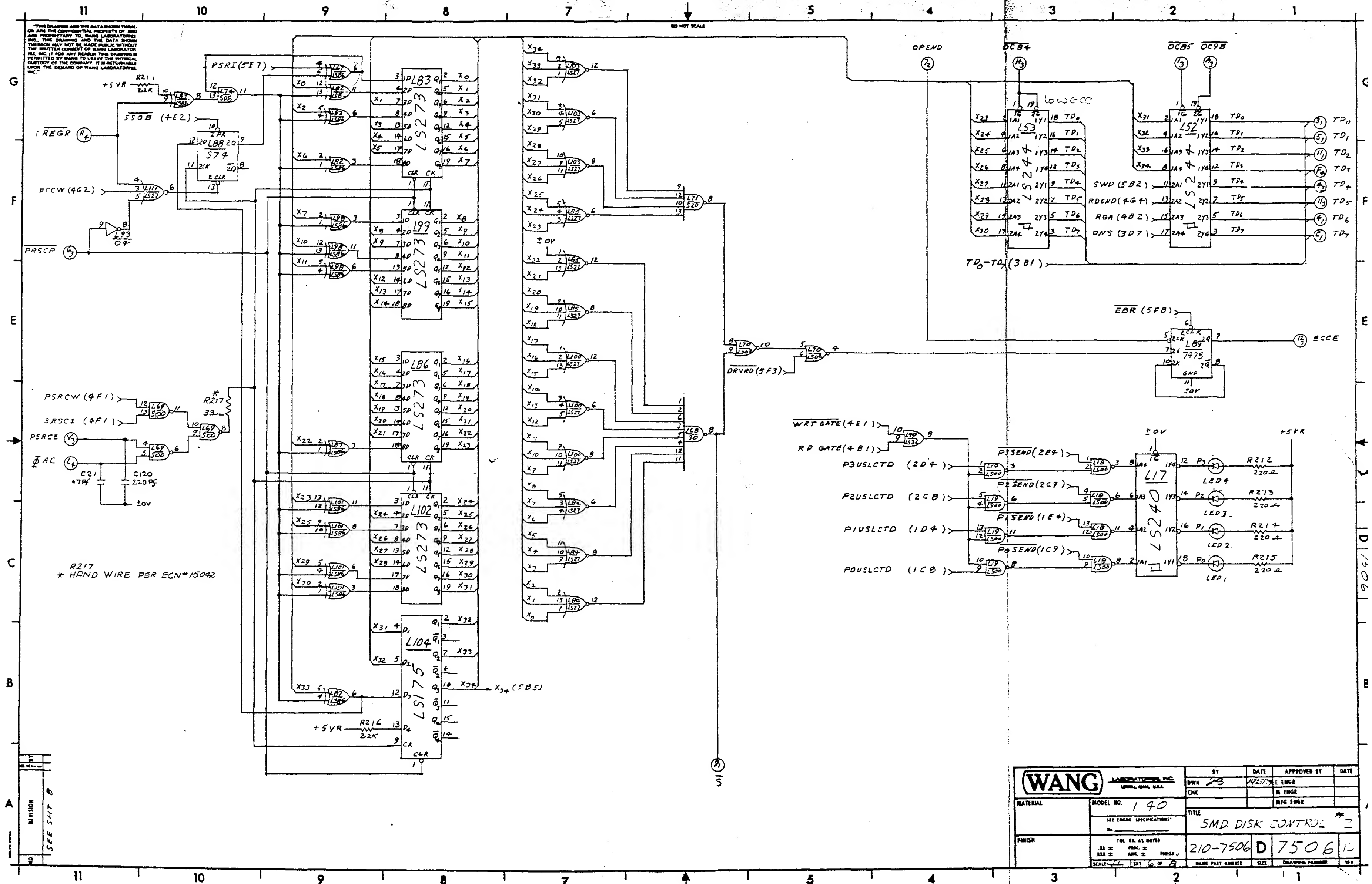
WANG		LABORATORIES INC. LAWRENCE, MASS. U.S.A.		BY DWN <i>[Signature]</i>	DATE 4/27/72	APPROVED BY E ENGR	DATE
MATERIAL	MODEL NO. 140	SEE ENGR SPECIFICATIONS IN _____	TITLE SMD DISK CONTROL F.C.	CHK _____	_____	M ENGR	_____
	_____			_____	MEG ENGR	_____	
FINISH	TOL EX AS NOTED	210-7506	D	7506	10		
	XX ± MAC ± .XX ± ANG ± FINISH ±						
SCALE: 1/1	SHT 2 OF 2	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.		



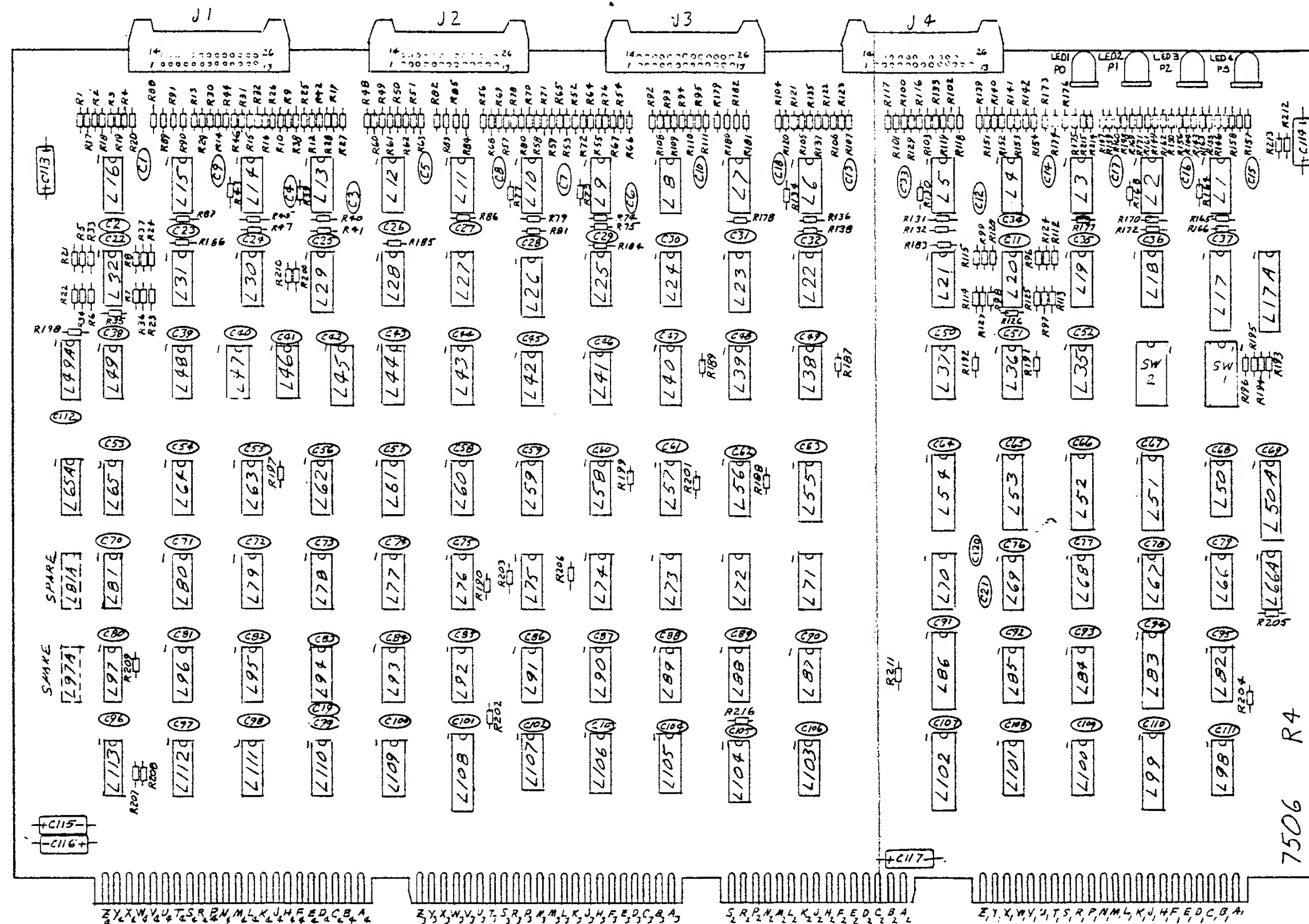


WANG		LABORATORY INC. SPRING VALLEY, U.S.A.		BY DWN <i>JS</i>	DATE <i>9-5-84</i>	APPROVED BY E ENGR	DATE
MATERIAL	MODEL NO.	<i>140</i>		CHK		M ENGR	
	SEE ENG. SPECIFICATIONS ON _____		TITLE <i>SMD DISK CONTROL #2</i>			MFG ENGR	
FINISH	10L. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.		210-7506		D	7506	10
	SCALE <i>1" = 1"</i>		WANG PART NUMBER <i>140</i>		DRAWING NUMBER		REV





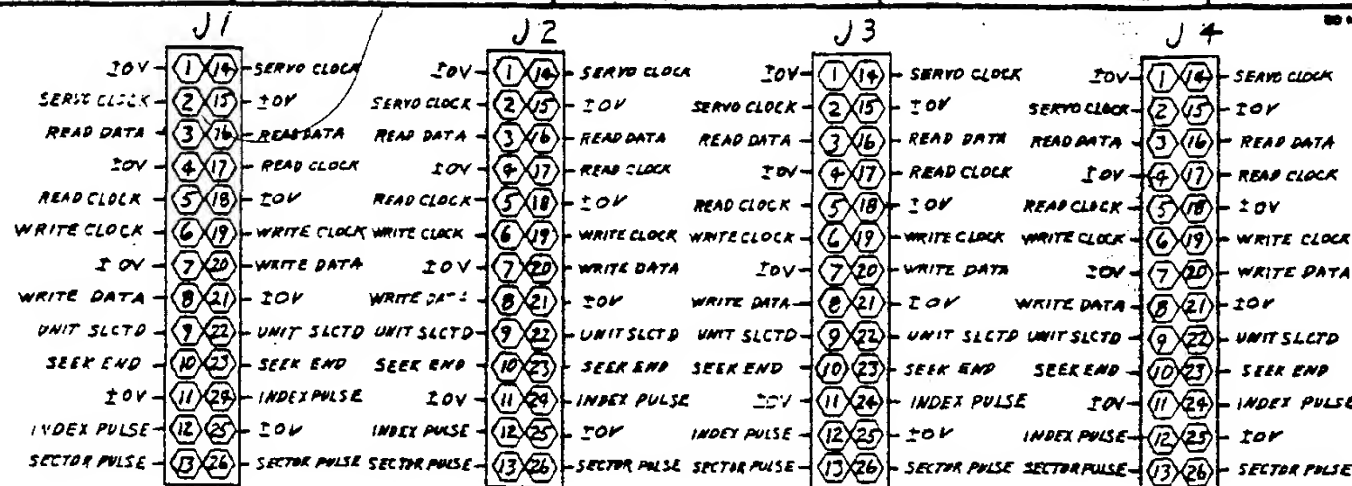
"THE DRAWINGS AND THE DATA SHOWN THEREON ARE THE CONFIDENTIAL PROPERTY OF, AND ARE PROPRIETARY TO, WANG LABORATORIES, INC. THE DRAWING AND THE DATA SHOWN THEREON MAY NOT BE MADE PUBLIC WITHOUT THE WRITTEN CONSENT OF WANG LABORATORIES, INC. IF FOR ANY REASON THIS DRAWING IS PERMITTED BY WANG TO LEAVE THE PHYSICAL CUSTODY OF THE COMPANY, IT IS RETURNABLE UPON THE DEMAND OF WANG LABORATORIES, INC."



0	NOISIAN	SEE 375
1	NOISIAN	SEE 375
2	NOISIAN	SEE 375
3	NOISIAN	SEE 375
4	NOISIAN	SEE 375
5	NOISIAN	SEE 375
6	NOISIAN	SEE 375
7	NOISIAN	SEE 375
8	NOISIAN	SEE 375
9	NOISIAN	SEE 375

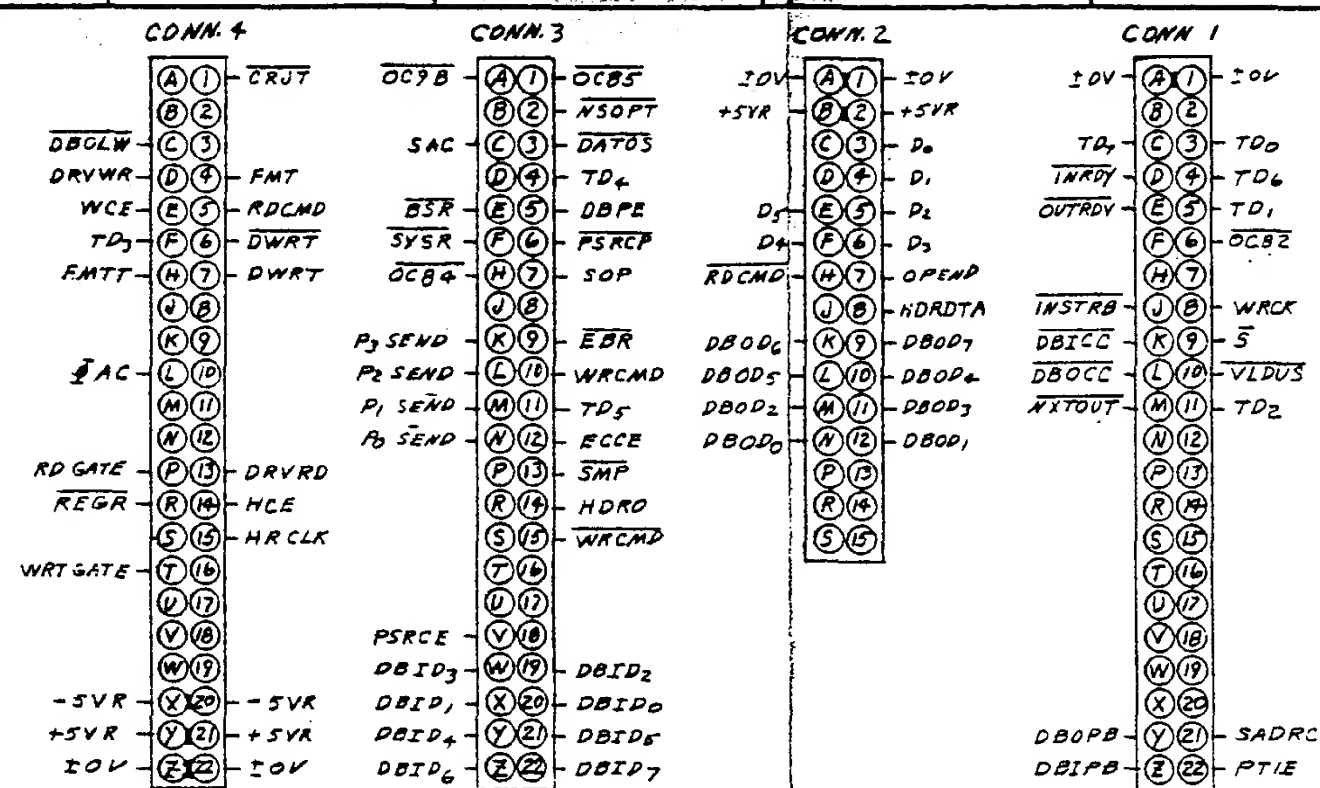
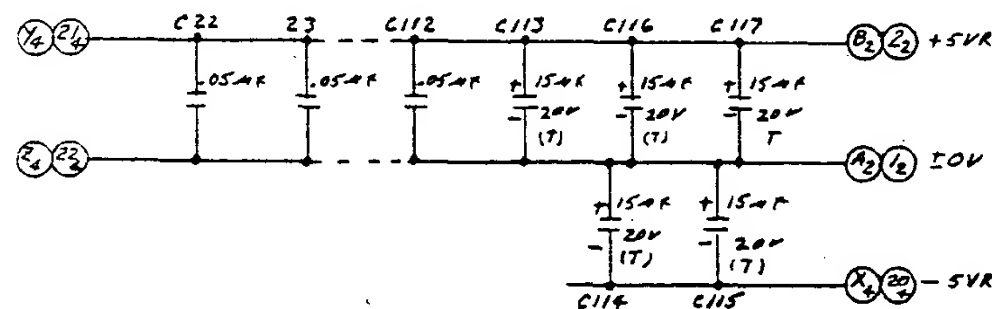
WANG		LABORATORIES INC. LAWRENCEVILLE, MISSOURI, U.S.A.		BY <u> </u>		DATE <u>9-4-78</u>		APPROVED BY <u>E ENGR</u>		DATE <u> </u>	
MATERIAL		MODEL NO. <u>140</u>		DWN <u>20</u>							
		SEE ENGRS. SPECIFICATIONS <u>On _____</u>		CHK <u> </u>				E ENGR <u> </u>			
				TITLE		SMD DISK CONTROL #2					
FINISH		TOL. EX. AS NOTED		210-7506		D		7506		J	
		ST. SE FINIS. SE XXX SE AMB. SE FINIS. ✓ SCALE 1:1 CUT ME		DRAWING PART NUMBER		U22		DRAWING NUMBER		REV. <u> </u>	

THIS DRAWING AND THE DATA THEREON ARE THE CONFIDENTIAL PROPERTY OF AND ARE PROPRIETARY TO, WANG LABORATORIES, INC. NO PART OF THIS DRAWING OR THE DATA THEREON MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF WANG LABORATORIES, INC. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR IN CONNECTION WITH THIS DRAWING OR THE DATA THEREON, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS DRAWING IS RETURNABLE UPON THE DEMAND OF WANG LABORATORIES, INC.



I.C. TYPE	LOC	SPARES
7400	L73	1
74500	L69	1
74LS02	L70	1
7453	L109	2
7404	L48	1
74504	L93	2
7450B	L74	1
74510	L81	1
74510	L65A	2
74LS11	L66	2
74520	L42	1
74LS27	L111	1
74574	L42A	1
	L88	1
74586	L67	1
74586	L87	1
74123	L110	1
74LS240	L17	1

I.C. LOCATION	W.L. PART NO.	TYPE
L1,2,4,5,6,8,9,12,13,14,16,20,22	376-0146	75107A
L3,7,11,15	376-0253	75110A
L17,18,20,23,25	376-0288	74LS244
L12,19	376-0297	74LS240
L10,19	376-0207	74LS200
L2,22,24,25,27,28,30,31	376-0083	74127
L23,24,29	376-0156	74LS153
L35,72	376-0002	7400
L36	376-0016	7402
L37,38	376-0148	74LS246
L39	376-0296	74537
L40	376-0088	74153
L41,42,61,62	376-0230	74520
L43,44,45	376-0235	745163
L46,49,54,57,58,63,76,78,89	376-0202	74574
L47	376-0237	74511
L48,72	376-0010	7404
L49	376-0311	74LS32
L50,65,69	376-0228	74500
L55	376-0199	74LS174
L59,80	376-0199	74502
L60,66	376-0234	74LS11
L64,65A,B,110	376-0238	74510
L66A	376-0006	7474
L67	376-0371	74586
L68,97	376-0031	7430
L70	376-0200	74LS02
L74	376-0300	7450B
L75	376-0153	74LS74
L77,79,89,90,112	376-0003	7473
L81A,97A		SPARE
L82,87,98,101	376-0231	74LS86
L83,86,92,102	376-0302	74LS273
L84,85,109,103,111	376-0245	74LS27
L92	376-0324	74125
L93	376-0199	74504
L94	376-0125	7427
L95	376-0004	7420
L96	376-0209	74LS10
L104	376-0160	74LS175
L105,106	376-0097	74193
L107	376-0246	745200
L108	376-0286	74LS374
L109	376-0028	7403
L113	376-0080	74123
L71	376-0210	74LS20



COMPONENT	W.L. PART NO.	TYPE
R1-16,18-59,82-85,88-103,139-150,173-176,179-182	330-1082	02 1/2 W 10%
R17-32,60-71,108-123,151-162	330-2048	470A 1/4 W 5%
R33,35,36-39,41-44,46,47,72,73,75-78,80,81,184,185,187-194,196-197,199,163,164,166-169,171,172	330-4056	56K 1/4 W 10%
R35,40,45,74,77,126,131,134,165,170,183-186,190-196,198,202-207,84,87,211,216,177,178	330-3022	2.2K 1/4 W 10%
R187	330-3016	1.5K 1/4 W 5%
R188,189,191,199,200,201,209,210	330-3010	1K 1/4 W 10%
R208	330-4010	10K 1/4 W 10%
R212-215	330-2022	220 1/4 W 10%
R217	330-1033	33 1/4 W 10%
C1-10,22-112	300-1900	.05 1/4 W 10% (C10)
C19	300-1120	120PF (C18)
C119,120	300-1220	220PF 50V (C19)
C21	300-1047	47 PF 50V (C20)
C113-117	300-4022	15 1/4 W 10% (C11)
C118	300-2602	47 PF 50V 10% (C12)
LED1-4	370-0026	LED RED
d1,2,3,4	350-0058	24 PIN CONN
SW1,2	325-1503	8 BANK ROK SW
SW1,2	325-9047	SW COVER

MEMORIC	COORDINATE
TD0-TD7	6 F 1
UNIT SLCTD	(1811) (183) (2811) (283)
YLDUS	3 A 9
WCE	3 A 6
WRCK	5 D 11
WRCP	3 B 11
WRCP	3 B 8
WRITE CLOCK	(1A7) (1D1) (2A7) (2D1)
WRITE DATA	(1A7) (1D1) (2A7) (2D1)
WRT GATE	4 D 1
BAC	6 D 11

MEMORIC	COORDINATE
BSR	3 A 5
CAJT	4 D 11
Dr-05	3 E 2
DATOS	5 B 11
DB00	5 A 10
DB00-DB07	5 G 1
DB00B	5 C 1
DB00C	5 A 8
DB00D-DB07	5 F 11
DB00E	5 G 7
DB0E	5 F 1
DRYRD	4 E 11
DRYWR	5 G 6
DWRT	4 G 2
DWRT	4 E 3
ERR	5 G 8
ECCE	5 E 1
EMT	4 A 11
EMTT	4 C 1
HCE	5 E 1
HDRDTA	5 A 6
HDRD	5 G 6
HRCLK	5 E 1
INDEX PULSE	(1D11) (166) (2D11) (266)
INRDY	5 G 6
INSTRB	5 B 1
NSOPT	4 A 7
NTOUT	5 A 7
ORDB	6 G 2
ORDB	3 A 11
ORDB	6 G 3
ORDB	6 G 2
OPEND	5 G 4
OUTRDY	5 C 11
P0 SEND	1 A 9
P1 SEND	1 F 1
P2 SEND	2 A 9
P3 SEND	2 F 1
PSRCE	3 D 11
PSRCE	3 D 11
PTIE	3 D 11
RDCMD	4 G 2
RDCMD	5 A 11
RD GATE	4 B 1
READ CLOCK	(1F11) (167) (2F11) (267)
READ DATA	(1F11) (168) (2F11) (268)
REGA	6 G 1
S	6 A 6
SAC	3 G 3
SADRC	3 G 3
SECTOR PULSE	(1C11) (165) (2C11) (265)
SEEK END	(1E11) (164) (2E11) (264)
SERVO CLOCK	(1F11) (1611) (2F11) (2611)
SMP	3 A 5
SOP	5 E 11
SVSR	3 G 5

E-REV

6

REVISION	DESCRIPTION	DATE	BY	APPROVED BY	DATE
1	ORG. REV. 33	10-25-77	W. J. W.		
2	APP. REV. 33	10-25-77	W. J. W.		
3	REVISED PER	10-25-77	W. J. W.		
4	REVISED PER	10-25-77	W. J. W.		
5	REVISED PER	10-25-77	W. J. W.		
6	REVISED PER	10-25-77	W. J. W.		
7	REVISED PER	10-25-77	W. J. W.		
8	REVISED PER	10-25-77	W. J. W.		
9	REVISED PER	10-25-77	W. J. W.		
10	REVISED PER	10-25-77	W. J. W.		

WANG LABORATORIES, INC.		BY	DATE	APPROVED BY	DATE
MODEL NO. 140		DWN	10-25-77	ENG. A. DESKUR	10-30-77
SEE ENGR. SPECIFICATIONS		CHK	10-25-77	M. ENG.	
TITLE		SMD DISK CONTROL #2			
FINISH		210-7506 D 7506 10			
SCALE		1" = 1" (1:1)			
DATE		10-25-77			
BY		W. J. W.			
APPROVED BY					
DATE					